

Claims

1. Film-shaped object comprising partial images arranged on either side and becoming complete in transmitted light by overlaying to form a predefined image with a high degree of security against forgery, characterised in that, in order to increase the degree of security against forgery, a first surface area in the form of a first image pattern (12) is arranged on one side (10a) of the object (10) and a second surface area in the form of a second image pattern (22) is arranged on the second side (10b) of the object (10), the two image patterns (12, 22) being constructed, to substantially cover the area, from light and dark image elements (14, 16; 24, 26) of the same number and the same form arranged randomly, the two image patterns (12, 22) being divided into a base area (32) with an identical arrangement of the image elements (14, 16; 24, 26) and a selection area (30) with a predefined, non-identical arrangement of the image elements (14, 16; 24, 26), the two image patterns (12, 22) lying congruently one above the other in the transmitted light and generating the predefined image in the selection area (30).
2. Film-shaped object according to claim 1, characterised in that two, four or six image elements (14, 16; 24, 26) in each case form image element cells (18, 28), which have a rotational symmetry with an angle of rotation of 180°, 90° or 60°, the light and the dark image elements (14, 16; 24, 26) being arranged rotationally symmetrically in one image element cell (18, 28) and so as to alternate in the direction of rotation, the image elements (18, 28) being arranged randomly in the image patterns (12, 22) with respect to their angular position, and the two image patterns (12, 22) being divided into a base area (32) with an identical arrangement of the image element cells (18, 28) and into a selection area (30) with a non-identical arrangement of the image element cells (18, 28), which is predefined with respect to their angular position.

3. Film-shaped object according to claim 1 or 2, characterised in that the light image elements (16, 26) are white and the dark image elements (14, 24) are black.
- 5 4. Film-shaped object according to any one of claims 1 to 3, characterised in that the image elements (16, 18; 26, 28) are constructed from the same or different colours.
- 10 5. Film-shaped object according to any one of claims 1 to 4, characterised in that at least some of the image elements (14, 16; 24, 26) have a first colour which is only visible in UV or in infrared light, and are only visible in ultraviolet or infrared light.
- 15 6. Film-shaped object according to any one of claims 1 to 5, characterised in that the image patterns (12, 22) are printed on the object (10).
- 20 7. Film-shaped object according to any one of claims 1 to 6, characterised in that the predefined image which is generated by the image patterns (12, 22) in the selection area (30) is a water mark, a number, a sign, a script, a logo or a continuous tone image.
- 25 8. Film-shaped object according to any one of claims 1 to 7, characterised in that the image patterns (12, 22) for the congruent overlay are applied by means of register print to the object (10).
9. Use of a film-shaped object according to any one of claims 1 to 7, in the form of a packaging, a packing material, a packing aid, a security, a banknote, an entry ticket or similar documents with a high degree of security against forgery.